

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary)	ATTY. DOCKET NO. MAT-7941US1	SERIAL NO To Be Assigned
	APPLICANT N. Nishiyama et al.	
	FILING DATE Herewith	GROUP

09/998534
11/28/01

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
BM ↓	3,353,046	11/14/67	Papst			
	4,642,886	2/17/87	Muck et al.			
	4,818,911	4/4/89	Taguchi et al.			
	4,998,032	3/5/91	Burgbacher			
	5,097,166	3/17/92	Mikulic			
	5,583,387	12/10/96	Tankeuchi et al.			
	5,729,072	3/17/98	Hirano et al.			
	5,861,693	1/19/99	Takahashi et al.			

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO
BM ↓	7-255138	10/3/95	Japan (with English abstract)			
	7-303357	11/14/95	Japan (with English abstract)			
	5-292714	11/5/93	Japan (with English abstract)			
	8-19196	1/19/96	Japan (with English abstract)			
	7-20050	4/7/95	Japan (with partial English translation)			
	5-284677	10/29/93	Japan (with English abstract)			
	7-236240	9/5/95	Japan (with English abstract)			
	6-66277	9/16/94	Japan (with partial English translation)			
	62-160048	7/16/87	Japan (with English abstract)			
	63-242157	10/7/88	Japan			
	6-98514	4/8/94	Japan			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

BM	1	Japanese language search report for Int'l Appln. No. PCT/JP97/00489.
	2	English translation of Japanese language search report for Int'l Appln. No. PCT/JP97/00489.

Examiner BMullins	Date Considered 2-13-03
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U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	5,643,199	07/01/97	Yamaguchi et al.			
	5,691,584	11/25/97	Toida et al.			
	5,864,192	01/26/99	Nagate et al.			
	5,811,904	09/22/98	Tajima et al.			
	6,133,662	10/17/00	Matsunobu et al.			
	5,666,015	09/97	Uchibori et al.			
	5,811,904	09/98	Tajima et al.			
	5,962,999	10/99	Nakamura et al.			

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO

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